

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------|------------------|---------|------------------|
| L1 | 8 | "4041118" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/13 08:11 |
| L3 | 1265 | ((264/34,36.16,36.2) or (425/262)). CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/13 08:58 |
| S1 | 12 | "4690631" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 15:22 |
| S2 | 9 | ("4690631").URPN. | USPAT | OR | OFF | 2005/10/10 12:41 |
| S3 | 13 | ("4957424").URPN. | USPAT | OR | OFF | 2005/10/10 12:42 |
| S4 | 6 | ("5147196").URPN. | USPAT | OR | OFF | 2005/10/10 12:45 |
| S5 | 1 | ("5364578").URPN. | USPAT | OR | OFF | 2005/10/10 12:47 |
| S6 | 1 | ("5616351").URPN. | USPAT | OR | OFF | 2005/10/10 12:47 |
| S7 | 1 | ("5616351").URPN. | USPAT | OR | OFF | 2005/10/10 12:47 |
| S8 | 1 | ("6017208").URPN. | USPAT | OR | OFF | 2005/10/10 12:47 |
| S9 | 0 | ("6106749").URPN. | USPAT | OR | OFF | 2005/10/10 12:48 |
| S10 | 0 | ("2003/0190384").URPN. | USPAT | OR | OFF | 2005/10/10 12:48 |
| S11 | 27 | ("1904094" "2758352" "2937429" "3262175" "3276091" "3551968" "3619872" "3649727" "3689967" "3746494" "3786549" "3865536" "3960644" "4067680" "4334848" "4340553" "4406605" "4407648" "4540539").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 12:48 |
| S12 | 30 | ("2926411" "3095628" "3096556" "3141222" "3276091" "3551968" "3649727" "3655842" "3689967" "3752626" "3922133" "3948354" "4079500" "4131408" "4253814" "4340553" "4400149" "4406605" "4407648" "4540539" "4639342" "4690631").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 12:58 |
| S13 | 24 | ("1297082" "1995692" "2435052" "2520199" "3074139" "3355897" "3597932" "3649727" "3810441" "3897182" "4298555" "4340553" "4371325" "4600548" "4631867" "4690631").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:02 |

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| S14 | 24 | ("2926411" "3095628" "3141222" "3551968" "3655842" "3662437" "3752626" "3829268" "3922133" "3948354" "4118165" "4131408" "4253814" "4340553" "4406605" "4639342" "4690631" "4957424" "Re28902").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:54 |
| S15 | 22 | ("2926411" "3095628" "3141322" "3551968" "3655842" "3662437" "3752626" "3829268" "3922133" "4118165" "4131408" "4253814" "4340553" "4406605" "4639342" "4690631" "4957424").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:08 |
| S16 | 25 | ("2926411" "3095628" "3141222" "3551968" "3655842" "3662437" "3752626" "3829268" "3922133" "4118165" "4131408" "4253814" "4340553" "4406605" "4639342" "4690631" "4957424" "5040968" "5051223" "5167967").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:09 |
| S17 | 17 | ("3096556" "3276091" "3733163" "3752626" "4041118" "4238177" "4253814" "4340553" "4540539" "4690631" "4756861" "4957424" "5080571" "5147196" "5167967").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:12 |
| S18 | 11 | ("0921142" "4336013" "4340553" "4540539" "4690631" "4957424" "5051223" "5080571" "5147196" "5364578").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:15 |
| S19 | 13 | ("1895740" "3096556" "3276091" "3632270" "4340553" "4505658" "4690631" "4957424" "5456590" "5616351").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:16 |
| S20 | 6 | ("3632270").URPN. | USPAT | OR | OFF | 2005/10/10 13:17 |
| S21 | 6 | ("2751657" "3096556" "3373466").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:17 |
| S22 | 8 | ("1895740").URPN. | USPAT | OR | OFF | 2005/10/10 13:20 |
| S23 | 17 | ("1137776" "3262175" "3551968" "3619872" "3746494" "4340553" "4406605" "4407648" "4639342" "4690631" "4957424" "5147196" "5167967").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:25 |

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|-----|-------|---|------------------------------|----|-----|------------------|
| S24 | 425 | (packerhead\$3 packer adj head\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:24 |
| S25 | 230 | S24 and diameter\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:26 |
| S26 | 0 | "B28B 21/26" | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:51 |
| S27 | 98 | "21/26" | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:52 |
| S28 | 545 | B28B | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:52 |
| S29 | 0 | B28B near 21/26 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:52 |
| S30 | 0 | B28B near3 21/26 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:52 |
| S31 | 18 | S28 and (packer\$9) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 13:54 |
| S32 | 16201 | lining with (pipe\$2 tube\$2 tubular) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:24 |
| S33 | 5422 | lining with (pipe\$2 tube\$2 tubular) and (rotating rotation rotated) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:24 |
| S34 | 3622 | lining with (pipe\$2 tube\$2 tubular) and (rotating rotation rotated) and diameter\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:40 |
| S35 | 1492 | (packerhead\$3 packer adj head\$2 roller adj head) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:33 |
| S36 | 158 | S35 and (layers layered) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:29 |
| S37 | 425 | (packerhead\$3 packer adj head\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:33 |
| S38 | 29 | S37 and (layers layered) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:35 |

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| S39 | 18 | S37 and acid\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:38 |
| S40 | 6874 | (lining liner) with (pipe\$2 tube\$2 tubular) and (rotating rotation rotated) and diameter\$2 and (pressure compress\$6) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:41 |
| S41 | 3792 | ((264/34,36.16,36.2,250,308) or (425/262,259,426)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 14:55 |
| S42 | 786 | (264/34,36.16,36.2).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 15:05 |
| S43 | 463 | (425/262).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:38 |
| S44 | 12 | "4690631" | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S45 | 9 | ("4690631").URPN. | USPAT | OR | OFF | 2005/10/10 21:05 |
| S46 | 13 | ("4957424").URPN. | USPAT | OR | OFF | 2005/10/10 21:05 |
| S47 | 6 | ("5147196").URPN. | USPAT | OR | OFF | 2005/10/10 21:05 |
| S48 | 1 | ("5364578").URPN. | USPAT | OR | OFF | 2005/10/10 21:05 |
| S49 | 1 | ("5616351").URPN. | USPAT | OR | OFF | 2005/10/10 21:05 |
| S50 | 1 | ("5616351").URPN. | USPAT | OR | OFF | 2005/10/10 21:05 |
| S51 | 1 | ("6017208").URPN. | USPAT | OR | OFF | 2005/10/10 21:05 |
| S52 | 27 | ("1904094" "2758352" "2937429" "3262175" "3276091" "3551968" "3619872" "3649727" "3689967" "3746494" "3786549" "3865536" "3960644" "4067680" "4334848" "4340553" "4406605" "4407648" "4540539").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S53 | 30 | ("2926411" "3095628" "3096556" "3141222" "3276091" "3551968" "3649727" "3655842" "3689967" "3752626" "3922133" "3948354" "4079500" "4131408" "4253814" "4340553" "4400149" "4406605" "4407648" "4540539" "4639342" "4690631").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |

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| S54 | 24 | ("1297082" "1995692" "2435052" "2520199" "3074139" "3355897" "3597932" "3649727" "3810441" "3897182" "4298555" "4340553" "4371325" "4600548" "4631867" "4690631").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S55 | 24 | ("2926411" "3095628" "3141222" "3551968" "3655842" "3662437" "3752626" "3829268" "3922133" "3948354" "4118165" "4131408" "4253814" "4340553" "4406605" "4639342" "4690631" "4957424" "Re28902").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S56 | 22 | ("2926411" "3095628" "3141322" "3551968" "3655842" "3662437" "3752626" "3829268" "3922133" "4118165" "4131408" "4253814" "4340553" "4406605" "4639342" "4690631" "4957424").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S57 | 25 | ("2926411" "3095628" "3141222" "3551968" "3655842" "3662437" "3752626" "3829268" "3922133" "4118165" "4131408" "4253814" "4340553" "4406605" "4639342" "4690631" "4957424" "5040968" "5051223" "5167967").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S58 | 17 | ("3096556" "3276091" "3733163" "3752626" "4041118" "4238177" "4253814" "4340553" "4540539" "4690631" "4756861" "4957424" "5080571" "5147196" "5167967").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S59 | 11 | ("0921142" "4336013" "4340553" "4540539" "4690631" "4957424" "5051223" "5080571" "5147196" "5364578").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S60 | 13 | ("1895740" "3096556" "3276091" "3632270" "4340553" "4505658" "4690631" "4957424" "5456590" "5616351").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S61 | 6 | ("3632270").URPN. | USPAT | OR | OFF | 2005/10/10 21:05 |
| S62 | 6 | ("2751657" "3096556" "3373466").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S63 | 8 | ("1895740").URPN. | USPAT | OR | OFF | 2005/10/10 21:05 |

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|-----|------|---|------------------------------|----|-----|------------------|
| S64 | 17 | ("1137776" "3262175" "3551968" "3619872" "3746494" "4340553" "4406605" "4407648" "4639342" "4690631" "4957424" "5147196" "5167967").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S65 | 425 | (packerhead\$3 packer adj head\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S66 | 786 | (264/34,36.16,36.2).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S67 | 463 | (425/262).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S68 | 1629 | S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56 S57 S58 S59 S60 S61 S62 S63 S64 S65 S66 S67 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S69 | 54 | S68 and rotation with speed | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S70 | 4 | ("4690631" "1838546" "5051223").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/16 11:38 |
| S71 | 232 | curing adj time with concrete | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/16 12:18 |
| S72 | 67 | curing adj time with concrete and pipe\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/16 12:32 |
| S73 | 1551 | (264/34,36.16,36.2,262).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/16 12:32 |
| S74 | 1257 | ((264/34,36.16,36.2) or (425/262)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/22 14:53 |
| S75 | 4 | ("3632270" "1355913" "4690631").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/22 14:59 |
| S76 | 0 | ("1355913").URPN. | USPAT | OR | OFF | 2006/03/22 15:03 |
| S77 | 3 | ("4690631" "1838546" "5051223").PN. | USPAT | OR | OFF | 2006/03/22 15:15 |
| S78 | 4 | ("3632270" "1355913" "4690631" "4957424").PN. | USPAT | OR | OFF | 2006/03/22 15:47 |
| S79 | 16 | "804455" "806427" "383861" "406133" | DERWENT | OR | OFF | 2006/03/22 15:49 |

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| S80 | 15 | "804455" "806427" "383861" "0406133" | DERWENT | OR | OFF | 2006/03/22 15:49 |
| S81 | 5 | "0406133" | DERWENT | OR | OFF | 2006/03/22 15:49 |
| S82 | 0 | "00406133" | DERWENT | OR | OFF | 2006/03/22 16:10 |
| S83 | 3 | ("4041118" "2533579" "4340553"). PN. | USPAT | OR | OFF | 2006/03/22 16:10 |
| S84 | 4 | "2533579" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/24 13:11 |
| S85 | 24 | "4340553" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/24 13:11 |
| S86 | 10 | "1768451" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 15:22 |
| S87 | 7473 | second with (turntable\$2 turn adj table\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 15:57 |
| S88 | 498 | second adj (turntable\$2 turn adj table\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 15:58 |
| S89 | 25 | second adj (turntable\$2 turn adj table\$2) and (concrete cement\$8) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 15:58 |
| S90 | 3114 | (packer adj head\$2 packerhead) (turntable\$2 turn adj table\$2) and (concrete cement\$8) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 15:59 |
| S91 | 59 | (packer adj head\$2 packerhead) and (turntable\$2 turn adj table\$2) and (concrete cement\$8) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 15:59 |
| S92 | 0 | "10813605" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:23 |
| S93 | 1 | "10/813605" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:23 |
| S94 | 465 | (425/262).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:42 |
| S95 | 801 | (264/34,36.16,36.2).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:44 |
| S96 | 307 | pipe with (concrete cement\$8) and acid with (resisting resistance resistant) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:46 |

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|------|------|--|------------------------------|----|-----|------------------|
| S97 | 9514 | (pipe pipes) and (liner lining) and (connect connecting connection connector connected) and (concrete cement\$8) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:48 |
| S98 | 5262 | (pipe pipes) same (liner lining) and (connect connecting connection connector connected) and (concrete cement\$8) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:48 |
| S99 | 3047 | (pipe pipes) same (liner lining) same (concrete cement\$8) and (connect connecting connection connector connected) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:49 |
| S100 | 1409 | S99 and (rotating rotation rotator rotated rotate) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:49 |